

2012 DOE SOLID-STATE LIGHTING MARKET INTRODUCTION WORKSHOP

July 17, 2012 • Wyndham Grand Downtown • Pittsburgh, PA

Free Pre-Workshop Tutorials

11:00 a.m.	<i>Registration Opens</i>
1:00 p.m.	Solid-State Lighting 101 Everything you need to know about LED lighting, plus a look at OLED lighting trends. <i>Jack Curran, LED Transformations</i>
1:45 p.m.	How Well Do LED Products Perform in the Lab? A look at how CALiPER test results have changed over time, and how LED products match up compared to the incumbent products they are designed to replace. <i>Ruth Taylor, Pacific Northwest National Laboratory</i>
2:15 p.m.	How Well Do LED Products Perform in the Real World? Analysis of performance, economics, and issues encountered when installing LEDs in real applications. <i>Michael Myer, Pacific Northwest National Laboratory</i>
2:45 p.m.	<i>Refreshment Break</i>
3:15 p.m.	Understanding Reliability and Lifetime Learn about the issues related to determining true lifetime and reliability for LED packages and luminaires, how LED systems work, and designing for system reliability. <i>Fred Welsh, Radcliffe Advisors</i>
3:45 p.m.	Get the Facts Find out about the latest resources and opportunities to take the most advantage of the DOE LED Lighting Facts® program, product list, and partner tools. <i>Marci Sanders, D&R International</i>
4:15 p.m.	Stump the Chumps Your chance to ask DOE and industry experts the tough questions about LED lighting, including: <ol style="list-style-type: none">1. Are there toxic materials like mercury in LEDs?2. Are LEDs the most efficient light source available?3. People say LEDs are more durable, but won't they break if you drop them?4. Is it true that LEDs emit no heat at all?5. If LEDs are dimmable then why are we seeing so many problems with dimming?6. How can I evaluate lifetime claims of 50,000 hours if the product has not been around that long? <i>Mark Hand, Acuity Brands; Steve Paolini, NEXT Lighting; Marc Ledbetter, Naomi Miller, Michael Myer, Michael Royer, Pacific Northwest National Laboratory; Fred Welsh, Radcliffe Advisors</i>
5:00 p.m.	<i>Adjourn</i>
7:00 p.m.	Optional Guided Bus Tour A guided bus tour will visit Phipps Conservatory's newly opened Center for Sustainable Landscapes, a university campus, a retail storefront, and a city neighborhood, with a wide range of LED products installed. Registration required; \$20 transportation fee.